

SYSTEM AND METHOD FOR PROVIDING AUTOMATIC TUNING OF A RADIO RECEIVER AND FOR PROVIDING AUTOMATIC CONTROL OF A CD/TAPE PLAYER

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ABSTRACT

A sound system with a radio receiver having the ability to automatically tune to a new radio station if (a) the current radio station is broadcasting a song, program or other content that the user dislikes and/or (b) one of one or more predetermined radio stations is broadcasting content that the listener likes. In one embodiment, the sound system includes a tuner for tuning 10 to a frequency of a radio station and for converting a radio signal transmitted by the radio station to an audio signal; a memory unit for storing a first set of templates, wherein the first set of templates correspond to a to a set of songs, programs, commercials, or other content disliked by the user of the sound system; and a recognition processor, coupled to the tuner and to the memory unit, for receiving the audio signal, generating templates from the audio signal, and 15 comparing the generated templates to at least one of the templates within the first set of templates. If one of the generated templates matches one of the templates within the first set of templates, the tuner is automatically tuned to a new radio station. In this manner, the sound system automatically tunes to a new radio station when the current radio station broadcasts content that the user of the sound system has indicated a dislike thereof.

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